

Algebra 1-2

Polynomials Notes Day 6

Name:

Pd:

Date:

What is a GCF?

Let's take a look at the words

G-

C-

F-

Find the greatest common factor!

1. 12 and 18 GCF : _____

2. 4 and 20 GCF: _____

3. $3a + 6$ GCF : _____

4. $12x + 20$ GCF : _____

How to factor using the GCF method:

1. Pull out the _____ number you can from each term.
2. Find the variable(s) that every term has...pull out the one with the _____ exponent.
3. Put remaining amounts in _____.

Factor the following using the GCF method.

5. $2a + 4a^2$

6. $4x^2 - 14x^3 + 12x^7$

7. $8y^3 + 4y^2 + 2y$

$$8. \quad 2x^2y^5 + 16x^4y^3 - 8x^3y^{10}$$

$$9. \quad 7y^2z + 21z^4 - 28y^6z^2$$

$$10. \quad 5x^{10}p^{12}z^3 - 20x^{15}p^{11}z^4 + 10x^{14}z^5$$

$$11. \quad 7x^2 - 5x + xy$$

$$12. \quad kma + kmb + kmc + kmd$$

$$13. \quad 2m + 2a + 2t + 2h$$

Summary!!!!

Remember!!!!!!!!!!!!!! It must be the GREATEST FACTOR that they have in COMMON for it to be the GCF